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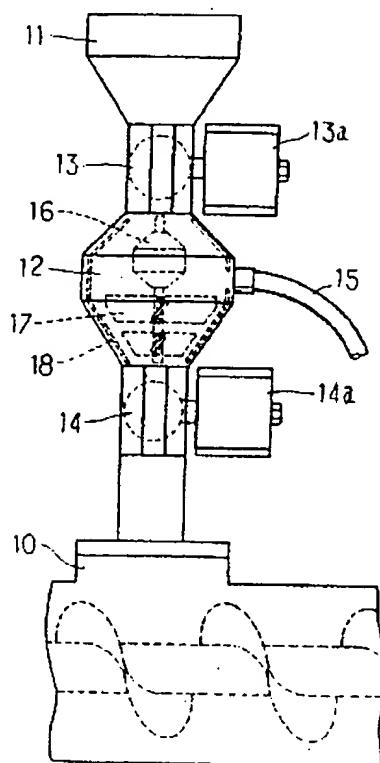
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TITLE : DRYING METHOD OF RAW MATERIAL
IN PLASTIC MOLDING AND ITS
DEVICE



ABSTRACT : PURPOSE: To enable reduction of energy, resources and labor in a drying process of raw materials necessary for plastic molding by drying the necessary minimum raw materials and making a material exchange and material loss easy and little respectively by vacuum-drying the raw material by a drying chamber interposed between a hopper and molding machine.

CONSTITUTION: A ball valve 13 is opened and a plastic powdery and granular body is shifted to a drying chamber 12 side from a hopper 11 side. Then the valve 13 is closed, the drying chamber 12 is closed tightly and air of the drying chamber 12 is exhausted by a vacuum pump connected with an exhausted pipe 15. A plastic powdery and granular body is heated by performing a temperature rise of the inside of the drying chamber 12 by electrifying a sheathed heater 18 at need, dryness of the plastic powdery and granular body is improved by turning an agitating device 17 and its lamp is broken up further. At the point of time when the predetermined dryness is obtained, exhaustion of the drying chamber 12 is suspended and pressure is restored to atmospheric pressure by feeding dry air to the drying chamber 12 through the exhaust pipe 15. Then, a ball valve 14 is opened and the dried plastic powdery and granular body is fed to an injection molding machine 10 side.

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